



Product: [8477](#)

Electronic, 2 C #12 Str TC, PVC Ins, PVC Jkt, CL3R

[Request Sample](#)

Product Description

Electronic, 2 Conductor 12AWG (65x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CL3R

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | up to 600V analog signals ; up to 600V digital control ; line level audio; voice communications; panel wiring |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 12 AWG | 65x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.158 in (4.01 mm) | Black & White |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.386 in (9.80 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.386 in (9.80 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---------|--------------------|-------------------------------|-------------------------------|
| Pair(s) | 1.78 Ohm/1000ft | 35 pF/ft (110 pF/m) | 30 Amps per Conductor at 30°C |

Voltage

| UL Voltage Rating |
|-----------------------------------|
| 600 V (CL3R), 600 V (UL AWM 2587) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 90°C | -20°C to +90°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.9 in (99 mm) | 3.9 in (99 mm) |

| | |
|--------------------|-------------------|
| Max. Pull Tension: | 169 lbs (76.7 kg) |
| Bulk Cable Weight: | 79 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, CL3R |
| AWM Compliance: | AWM 2587 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

| | |
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| Notes: | See NEC Guidelines for applicable CL3 voltage ratings. |
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History

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| Update and Revision: | Revision Number: 0.515 Revision Date: 03-04-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8477 060500 | Chrome | Reel | 500 ft | 612825208662 | C |
| 8477 060U500 | Chrome | UnReel | 500 ft | 612825208648 | |
| 8477 0601000 | Chrome | Reel | 1,000 ft | 612825208655 | C |
| 8477 0605000 | Chrome | Reel | 5,000 ft | 612825208679 | C Z |

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